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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/810,599	03/29/2004	Fumio Nakajima	SON-2973	9712
23353 7590 07/25/2008 RADER FISHMAN & GRAUER PLLC LION BUILDING 1233 20TH STREET N.W., SUITE 501 WASHINGTON, DC 20036				
EXAMINER				
CUTLER, ALBERT H				
ART UNIT		PAPER NUMBER		
2622				
MAIL DATE		DELIVERY MODE		
07/25/2008		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### DETAILED ACTION

1. This office action is responsive to communication filed on June 24, 2008.

#### ***Response to Amendment***

2. Applicant's proposed amendment after a final rejection will not be entered because it raises new issues which would require further search and/or consideration. For instance, claim 1 is amended to recite the limitation that said at least one correction curve is of the form  $\text{Signal}_{\text{OUT}} = a \cdot \log_{10}(\text{Signal}_{\text{IN}} + b) + c$ . This limitation was previously found in dependent claim 15. However, by incorporating this limitation into claim 1, the scopes of claims 2, 3, 7, 9, 12 and 16 are also changed, as these claims depend from claim 1 and did not originally require the limitation that said at least one correction curve is of the form  $\text{Signal}_{\text{OUT}} = a \cdot \log_{10}(\text{Signal}_{\text{IN}} + b) + c$ . Therefore, the proposed amendment to claim 1 would make claims 2, 3, 7, 9, 12 and 16 more specific, and would thus necessitate further search and/or consideration.
3. Claim 4 is amended to recite the limitation that said second correction curve segment is of the form  $\text{Signal}_{\text{OUT}} = a \cdot \log_{10}(\text{Signal}_{\text{IN}} + b) + c$ . This limitation was previously found in dependent claim 28. However, by incorporating this limitation into claim 4, the scopes of claims 5, 6, 23, 25 and 27 are also changed, as these claims depend from claim 1 and did not originally require the limitation that said second correction curve segment is of the form  $\text{Signal}_{\text{OUT}} = a \cdot \log_{10}(\text{Signal}_{\text{IN}} + b) + c$ . Therefore, the proposed amendment to claim 4 would make claims 5, 6, 23, 25 and 27 more specific, and would thus necessitate further search and/or consideration.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALBERT H. CUTLER whose telephone number is (571)270-1460. The examiner can normally be reached on Mon-Thu (9:00-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ngoc-Yen Vu can be reached on (571) 272-7320. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AC  
07/21/2008

***/Ngoc-Yen T. VU/  
Supervisory Patent Examiner, Art Unit 2622***